

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hiroshi SAKURAI et al. Box Non-fee Amendment

Serial No. (unknown) GROUP

Filed herewith Examiner

REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE
AND PROCESS FOR MANUFACTURING THE SAME

PRELIMINARY AMENDMENT

Commissioner for Patents

Washington, D.C. 20231

Sir:

Prior to the first Official Action and calculation of the filing fee, please amend the above-identified application as follows:

IN THE CLAIMS:

Please delete the abstract as originally filed which appears on page 43. Add new abstract as enclosed herewith on a separate sheet.

Respectfully submitted,

YOUNG & THOMPSON

By

Benoît Castel

Benoît Castel

Attorney for Applicant
Customer No. 000466
Registration No. 35,041
745 South 23rd Street
Arlington, VA 22202
703/521-2297

November 30, 2001

ABSTRACT OF THE DISCLOSURE

A reflection type liquid crystal display device having excellent display capability even if the number of the photolithography process is reduced and a process for producing the device. A process includes the steps of (a) forming a source/drain wiring by using a first mask; (b) forming a thin film transistor region and gate wiring by using a second mask; (c) forming an opening for a transistor, in a passivation film by using a third mask; (d) forming a rough surface of the interlayer insulating film and to form an opening for the transistor by using a fourth mask by halftone exposure, and (e) forming a reflective metal which extend through the respective openings for the transistor in the passivation film and the interlayer insulating film so that it is electrically connected to the source wiring by using a fifth mask.